

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

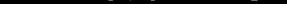
<p>Substitute for FORM 1469 PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>Date Submitted: October 27, 2005 (use as many sheets as necessary)</p>				<p>Complete if Known</p>	
Sheet	1	of	1	Application Number	10/663,992
				Filing Date	9/17/2003
				First Named Inventor	James C. KENNEDY
				Group Art Unit	1614
				Examiner Name	Unassigned
				Attorney Docket Number	067286-0275

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials* Cite No.¹ Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. T⁴

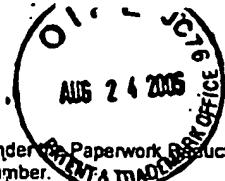
Examiner Signature		Date Considered	8/31/2006
-----------------------	---	--------------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO)

Standard ST.3.) *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450



AUG 24 2015

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. 0714-0000

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/663,992
		Filing Date	09/17/2003
		First Named Inventor	James C. KENNEDY
		Group Art Unit	1617
		Examiner Name	Shahnarm J. Sharareh
(use as many sheets as necessary)		Attorney Docket Number	
Sheet	1	of	1

U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	8/31/2006
--------------------	---	-----------------	-----------

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO)

Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Mar 11 2004

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/663,992
Date Submitted: March 11, 2004				Filing Date	09/17/2003
(Use as many sheets as necessary)				First Named Inventor	James C. KENNEDY
Sheet	1	of	4	Group Art Unit	1614
				Examiner Name	Unassigned
				Attorney Docket Number	067286-0275

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>IR</i>	A1	4,772,681		FUKUDA, et al.	09/1988	
	A2	4,925,736		SHIKOWITZ	05/1990	
	A3	4,932,934		DOUGHERTY, et al.	06/1990	
	A4	4,977,177		BOMMER, et al.	12/1990	
	A5	5,004,811		BOMMER, et al.	04/1991	
	A6	5,079,262		KENNEDY, et al.	01/1992	
	A7	5,127,938		REBEIZ	07/1992	
	A8	5,163,990		REBEIZ	11/1992	
	A9	5,200,427		REBEIZ, et al.	04/1993	
	A10	5,211,938		KENNEDY, et al.	05/1993	
	A11	5,219,878		RINGUET, et al.	06/1993	
	A12	5,234,940		KENNEDY, et al.	08/1993	
	A13	5,226,907		TANKOVICH	07/1993	
	A14	5,422,093		KENNEDY, et al.	06/1995	
	A15	5,423,803		TANKOVICH, et al.	06/1995	
	A16	5,425,728		TANKOVICH	06/1995	
	A17	5,484,803		RICHTER	01/1996	
<i>UR</i>	A18	5,705,518		RICHTER ET AL.	01/1998	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
<i>UR</i>	A19	EP	0 233 701		08/1987		
	A20	WO	91/01727		02/1991		
	A21	WO	93/08715		05/1993		
	A22	WO	93/20810		10/28/1993		
	A23	WO	94/106424		03/31/1994		
	A24	WO	94/12239		06/09/1994		
	A25	WO	95/07077		03/1995		
	A26	WO	95/05813		03/02/1995		
<i>UR</i>	A27	WO	95/31189		11/23/1995		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ⁶

Examiner Signature	<i>John P. Kewell</i>	Date Considered	8/31/2006
--------------------	-----------------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/663,992
Date Submitted: March 11, 2004				Filing Date	09/17/2003
(use as many sheets as necessary)				First Named Inventor	James C. KENNEDY
				Group Art Unit	1614
				Examiner Name	Unassigned
Sheet	2	of	4	Attorney Docket Number	067286-0275

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 6
UR	A28	BOEHNCKE, et al., Treatment of Psoriasis by Topical Photodynamic Therapy with Polychromatic Light, <i>The Lancet</i> , 343:801, March 1994.	
	A29	FUKUDA et al., Photodynamic Action of Endogenously synthesized Porphyrins from Aminolevulinic . . ., <i>Int. J. Biochem.</i> , 25:10; 1395-98, 1993.	
	A30	LOH et al., Endogenous Porphyrin Distribution-Induced by 5-Aminolevulinic Acid . . ., <i>J. Photochem. Photobiol.</i> , 20:47-54, 1993.	
	A31	VAN DER VEEN et al., In Vivo Fluorescence Kinetics and Photodynamic Therapy Using 5-Aminolevulinic. <i>Br. J. Cancer</i> , 70:867-72, 1994.	
	A32	GRANT et al., Photodynamic Therapy of Normal Rat Arteries After Photosensitisation Using . . ., <i>Br. J. Cancer</i> , 70:72-78, 1994.	
	A33	KENNEDY, "Photochemotherapy - Clinical Aspects", Department of Oncology and Pathology, Photosensitisation. Edited by G. Moreno et al., pp. 453-463, (1988).	
	A34	KENNEDY, "Photodynamic Therapy With Endogenous Protoporphyrin IX: Basic Principles And Present Clinical Experience", <i>Journal of Photochemistry and Photobiology, B: Biology</i> , Vol. 6:143-148, (1990).	
	A35	DENNIS et al., "Protection of NIH 3T3 Cells From Infection By Trypomastigotes And Sphaeromastigotes Of J. Trypanosoma Cruzi, Telahuen Strain, By Porphyrins In The Presence And Absence of Light (630 and 690 NM)", <i>Parasitol.</i> , Vol. 75(6):970-976, (1989).	
	A36	BERLIN et al., "Normal Pathways, Studied With The Aid of N", <i>The Metabolism of 8-Aminolevulinic Acid</i> , Vol.64:80-99,(1956).	
	A37	BRAULT et al., "Fundamental Aspects In Tumor Photochemotherapy: Interactions Of Porphyrins With Membrane Model Systems And Cells", <i>Biochimie</i> , Vol. 68:913-921, (1986).	
	A38	DIVARIS et al., "Phototoxic Damage To Sebaceous Glands And Hair Follicles Of Mice After Systemic Journal Administration of 5-Aminolevulinic Acid Correlates With Localized Protoporphyrin IX Fluorescence", <i>American of Pathology</i> , Vol. 136(4):891-897, (1990).	
	A39	GROSSMAN, "PDT For Hirsutism", <i>Lasers Surg. Med. Suppl.</i> , Vol. 7:A205, (1995).	
	A40	MALIK et al., "Topical Application of 5-Aminolevulinic Acid, DMSO and EDTA: Protoporphyrin IX Accumulation In Skin And Tumours Of Mice", <i>Journal of Photochemistry And Photobiology B: Biology</i> , Vol. 28:213-218, (1995).	
	A41	KORELL et al., "Einsatz der Photodynamischen Lasertherapie in der Gynaekologie", <i>Gynaekol Geburtshilfliche Rundsch</i> , Vol. 35:90-97, (1995).	
UR	A42	UNTCH et al., "Synergistischer Effekt von Delta-Aminolevulinsaeure und Photodynamischer Lasertherapie Anhand Eines In-Vitro-Modells Mit Dem ATP-Tumorchemosensitivitaetstest", <i>Gynaekol Geburtshilfliche Rundsch</i> , Vol. 35:85-89, (1995).	

Examiner Signature		Date Considered	8/31/2006
--------------------	---	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/663,992
Date Submitted: March 11, 2004 (use as many sheets as necessary)				Filing Date	09/17/2003
				First Named Inventor	James C. KENNEDY
				Group Art Unit	1614
				Examiner Name	Unassigned
Sheet	3	of	4	Attorney Docket Number	067286-0275

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CR	A43	SZEIMIES et al., "Topische Photodynamische Therapie In Der Behandlung Oberflaechlicher Hautumoren", <i>Hautarzt</i> , Vol. 46:315-318, (1995).			
	A44	WOLF et al., "Photodynamic Therapy With 5-Aminolevulinic Acid: A Promising Concept For The Treatment of Cutaneous Tumors", <i>Dermatology</i> , Vol. 190:183-185, (1995).			
	A45	YANG et al., "Evidence Of Lasting Functional Destruction Of The Rat Endometrium After 5-Aminolevulinic Acid Induced Photodynamic Ablation: Prevention Of Implantation", <i>Am. J. Obstet. Gynecol.</i> , Vol. 168(3):995-1001, (1993).			
	A46	WOLF et al., "Topical Photodynamic Therapy With Endogenous Porphyrins After Application of 5-Aminolevulinic Acid", <i>J. Am. Acad. Dermatol.</i> , Vol. 28:17-21, (1993).			
	A47	GOFF et al., "Effects Of Photodynamic Therapy With Topical Application of 5-Aminolevulinic Acid On Normal Skin Of Hairless Guinea Pigs", <i>J. Photochem. Photobiol. B: Biol.</i> , Vol. 15:239-251, (1992).			
	A48	PENG et al., "Distribution And photosensitizing Efficiency Of Porphyrins Induced by Application Of Exogenous 5-Aminolevulinic Acid In Mice Bearing Mammary Carcinoma", <i>Int. J. Cancer</i> , Vol. 52:433-443, (1992).			
	A49	SUROLIA et al., "De Novo Biosynthesis Of Heme Offers A New Chemotherapeutic Target In The Human Malaria Parasite", <i>Biochemical And Biophysical Research Communications</i> , Vol. 187(2):744-750, (1992).			
	A50	VAN HILLEGERSBERG et al., "Selective Accumulation Of Endogenously Produced Porphyrins In A Liver Metastasis Model in Rats", <i>Gastroenterology</i> , Vol. 103:647-651, (1992).			
	A51	FUKUDA et al., "Tumour-Localizing Properties Of Porphyrins. In vivo Studies Using Free And Liposome Encapsulated Aminolevulinic Acid", <i>Comp. Biochem. Physiol.</i> , Vol. 102B(2):433-436, (1992).			
	A52	BEDWELL et al., "Fluorescence Distribution And Photodynamic Effect Of ALA-Induced PP IX In The DMH Rat Colonic Tumour Model", <i>Br. J. Cancer</i> , Vol. 65:818-824, (1992).			
	A53	REBEIZ et al., "Photodestruction of Tumor Cells By Induction Of Endogenous Accumulation Of Protoporphyrin IX: Enhancement By 1,10-Phenanthroline", <i>Photochemistry and Photobiology</i> , Vol. 55(3):431-435, (1992).			
	A54	ANDREONI et al., "Effects of HpD And Laser On Transformed and Corresponding Normal Cultured Cells: Differential Cytotoxicity As An In Vitro Model For Tumor Photochemotherapy", <i>Porphyrins In Tumor Phototherapy</i> , pp.143-155, (1983).			
CR	A55	ROBINO et al., "Porphyrin Metabolism In Human Neoplastic Tissues", <i>Panminerva Medica</i> , pp. 290-92.			

Examiner Signature	<i>Chad L. Kewell</i>	Date Considered	8/31/2006
--------------------	-----------------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/663,992
Date Submitted: March 11, 2004				Filing Date	09/17/2003
(use as many sheets as necessary)				First Named Inventor	James C. KENNEDY
Sheet	4	of	4	Group Art Unit	1614
				Examiner Name	Unassigned
				Attorney Docket Number	067286-0275

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.				T 6
UR	A56	SAMSOEN M., Arsenal Medicamenteux Dermatologique, Pg.603-606, ISSN. 0752-5370 (1995) (Abstract).				
	A57	POTTIER et al., "Non-Invasive Technique for Obtaining Fluorescence Excitation and Emission Spectra In Vivo", <i>Photochemistry and Photobiology</i> , Vol. 44, No. 5, pp 679-687, (1986).				
	A58	MANDELL ET AL., <i>Principles and Practice of Infectious Diseases</i> , 4 th ed. 1995, pp. 1388, 1393-1396.				
UR	A59	N. NAVONE ET AL., "Porphyrin biosynthesis in human breast cancer. Preliminary mimetic <i>in vitro</i> studies", <i>Med. Sci. Res.</i> , 1988, Vol. 16, pp. 61-62, Buenos Aires, Republica Argentina.				

Examiner Signature	<i>James C. Kennedy</i>	Date Considered	3/31/2006
--------------------	-------------------------	-----------------	-----------

*EXAMINER: Initial if reference/considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.